

# Recovery Plan Action Status

Plan Name: Black-capped Vireo (*Vireo atricapillus*) Recovery Plan

Plan Status: Final

Plan Date: 30-Sep-91

Lead Agency: USFWS

Lead Office: Arlington Ecological Services Field Office

(2517)  
277-1100 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Black-capped Vireo ( <i>Vireo atricapilla</i> )	2	1.11	Regional surveys	Ongoing Not Current	Prior to FY 1995		Texas Parks and Wildlife Department, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Population Surveys	Internal Technical Assistance, Species Expert	FWE costs = 37.5 Yr1, 56.25 Yr 2, 56.25 Yr 3. TPWD costs = 12.5 Yr1, 18.75 Yr2, 18.75 Yr 3. Initiation date is best guess.
Black-capped Vireo ( <i>Vireo atricapilla</i> )	3	1.12	Supplemental surveys	Ongoing Not Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Species Expert	FWE costs = 10k/year in FY1 and FY2. NPS costs = 5k in FY1. Initiation date is best guess.
Black-capped Vireo ( <i>Vireo atricapilla</i> )	2	1.21	Obtain information for viability models	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Refuge Division, Balcones Canyonlands Conservation Plan , Department of Defense , USFWS Research, USFWS Regional Office 8, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Demographic Studies	Internal Technical Assistance, Species Expert	FWE costs = 20k/year. DOD costs = 20k/year. BCCP = 20k/year.
Black-capped Vireo ( <i>Vireo atricapilla</i> )	2	1.22	Develop viability model and recommend areas for viable populations	Partially Complete	FY 1995 - FY 1999		USFWS Research, USFWS Regional Office 8, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Other Information	Species Expert	This task will depend on tasks 1.1, 1.21, and 1.4
Black-capped Vireo ( <i>Vireo atricapilla</i> )	1	1.31	Determine where cowbirds are serious threat	Ongoing Not Current	Prior to FY 1995		Texas Parks and Wildlife Department, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Demographic Studies	Internal Technical Assistance, Species Expert	FWE costs = 30k/year. TPWD costs = 10k/year. Initiation date is best guess.

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Black-capped Vireo (Vireo atricapilla)	2	1.32	Determine role of cattle in cowbird threat	Partially Complete	FY 1995 - FY 1999		Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, Department of Defense , U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Other Information	Internal Technical Assistance, Species Expert	FWE costs = 30k/year. DOD costs = 20k/year. TPWD costs = 10k/year.
Black-capped Vireo (Vireo atricapilla)	2	1.33	Determine if feasible and if so how, to manage cattle so they will not negatively impact vireo viability	Partially Complete	FY 1995 - FY 1999		Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, Department of Defense , U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Management Techniques	Internal Technical Assistance, Species Expert	FWE costs = 15k/yr. Refuge costs = 20k/yr. DOD costs = 20k/yr. TPWD costs = 5k/yr.
Black-capped Vireo (Vireo atricapilla)	2	1.34	Develop long-term solution to cowbird threat	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Refuge Division, USFWS Research, U.S. Fish and Wildlife enhancement	Research: Other Information	Internal Technical Assistance, Species Expert	The initiation date corresponds with the start date of the cowbird trapping cessation experiment at Fort Hood.
Black-capped Vireo (Vireo atricapilla)	2	1.41	Determine habitat use throughout range	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Habitat Requirements	Graduate Student, Species Expert	Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	2	1.42	Develop methods for identifying probable habitat	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Other Information	Graduate Student, Species Expert	Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	1	1.43	Determine how to manage habitat for vireo	Partially Complete	Prior to FY 1995		Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Management Techniques	Internal Technical Assistance, Species Expert	FWE costs = 30k/year. Refuge costs = 80k/year. TPWD costs = 10k/year. Initiation date is best guess.

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Black-capped Vireo (Vireo atricapilla)	3	1.441	Habitat substrates	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Refuge Division, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Habitat Requirements	Contract, Graduate Student, Internal Field Assistance	Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	3	1.442	Successional changes in habitat	Partially Complete	Prior to FY 1995		Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, Department of Defense , U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Habitat Status	Internal Field Assistance, Internal Technical Assistance, Species Expert	FWE costs=30k/year. DOD costs = 15k/year. TPWD = 10k/year. Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	2	1.45	Determine compatibility between habitat management for deer and black-capped vireos	Partially Complete	Prior to FY 1995		U.S. Department of Agriculture, Texas Parks and Wildlife Department, Soil Conservation Service , U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Other Information	Internal Technical Assistance, Species Expert	FWE costs = 15k/year. TPWD costs = 5k/year. Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	2	1.5	Determine extent of other threats	Ongoing Not Current	Prior to FY 1995		U.S. Department of Agriculture, Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, Balcones Canyonlands Conservation Plan , U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Other Information	Internal Technical Assistance	FWE costs = 15k/year. BCCP costs = 20k/year. TPWD = 10k/year. USDA = 20k/year.
Black-capped Vireo (Vireo atricapilla)	1	1.61	Winter range-distribution and threats	Ongoing Current	FY 2000 - FY 2004		USFWS Research, USFWS Regional Office 8, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Other Information	Graduate Student	FWE costs = 50k/year. Research costs = 25k/year. Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	2	1.62	Winter range-habitat	Ongoing Not Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Refuge Division, USFWS Regional Office 8, USFWS Regional Office 2	Research: Habitat Status, Research: Population Surveys	Graduate Student, Species Expert	Initiation date is best guess.

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Black-capped Vireo (Vireo atricapilla)	3	1.7	Determine usefulness of age structure data as index to vireo population health	Unknown			USFWS Research, USFWS Regional Office 8, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Demographic Studies	Graduate Student, Internal Field Assistance, Species Expert	
Black-capped Vireo (Vireo atricapilla)	2	2.11	Vegetation manipulation	Ongoing Current	Prior to FY 1995		Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Management: Habitat Maintenance and Manipulation	Contract, Internal Technical Assistance	FWE costs = 15k/year. Refuge costs = 30k/year. TPWD costs = 5k/year. Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	2	2.12	Manage browsers as needed	Unknown			U.S. Department of Agriculture, Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, Soil Conservation Service , Department of Defense , U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Management: Land Use	Internal Field Assistance, Internal Technical Assistance	Refuge costs of 10k/year.
Black-capped Vireo (Vireo atricapilla)	2	2.21	Acquisition and lease	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Division of Realty, U.S. Fish and Wildlife Service, Refuge Division, Balcones Canyonlands Conservation Plan , USFWS Regional Office 2	Acquisition: Easement, Acquisition: Lease, Acquisition: Management Agreement	Internal Administrative, Internal Technical Assistance	Service costs are for Balcones National Wildlife Refuge, 5k/year. BCCP costs = 10k/year. Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	1	2.22	Work cooperatively with private landowners	Ongoing Current	Prior to FY 1995		U.S. Department of Agriculture, Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, Soil Conservation Service , U.S. Fish and Wildlife enhancement	Management: Land Use	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	FWE costs = 40k/year. Refuges costs = 40k/year. USDA costs = 10k/year. SCS costs = 10k/year. TPWD = 10k/year.

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Black-capped Vireo (Vireo atricapilla)	1	2.23	Work with other agencies and organizations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife enhancement, USFWS Regional Office 2, Various Agencies	Management: Planning	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	VAR - includes a large number including TPWD, NPS, DOD, SCS, USDA, BCCP, TNC
Black-capped Vireo (Vireo atricapilla)	1	2.24	Regulatory	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Refuge Division, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Other: Administration, Other: Information and Education, Other: Law Enforcement, Other: Regulations	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	FWE costs = 30k/year. LE costs = 10k/year.
Black-capped Vireo (Vireo atricapilla)	2	2.32	Long-term solution to cowbird threat/problem	Not Started			USFWS Research, USFWS Regional Office 8, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Management: General, Other: Information and Education	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Cost unknown
Black-capped Vireo (Vireo atricapilla)	2	2.4	Manage for other threats where necessary and warranted	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Refuge Division, Balcones Canyonlands Conservation Plan, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Management: Other	Internal Field Assistance, Internal Technical Assistance	FWE Refuge = 10k. BCCP = 15k. Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	2	3.1	Develop monitoring techniques	Unknown			U.S. Fish and Wildlife Service, Refuge Division, USFWS Research, USFWS Regional Office 8, U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: Other Information	Internal Technical Assistance, Species Expert	

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Black-capped Vireo (Vireo atricapilla)	2	3.2	Monitor populations within areas deemed necessary for recovery	Ongoing Not Current	Prior to FY 1995		National Park Service, Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, Balcones Canyonlands Conservation Plan , Department of Defense , U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Management: Other	Contract, Internal Field Assistance, Volunteer	FWE costs = 10k/yr, Refuge costs = 5k/yr, DOD costs = 7k/yr, NPS costs = 4k/yr, TPWD costs = 5k/yr, BCCP costs = 10k/yr. Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	2	3.3	Monitor habitat within areas deemed necessary for recovery	Ongoing Not Current	Prior to FY 1995		National Park Service, Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, Balcones Canyonlands Conservation Plan , Department of Defense , U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Management: Other	Contract, Internal Field Assistance, Volunteer	FWE costs = 10k/yr, Refuge costs = 5k/yr, DOD costs = 7k/yr, NPS costs = 4k/yr, TPWD costs = 5k/yr, BCCP costs = 10k/yr. Initiation date is best guess.
Black-capped Vireo (Vireo atricapilla)	2	3.4	Monitor threats	Ongoing Current	Prior to FY 1995		National Park Service, Texas Parks and Wildlife Department, U.S. Fish and Wildlife Service, Refuge Division, Balcones Canyonlands Conservation Plan , Department of Defense , U.S. Fish and Wildlife enhancement, USFWS Regional Office 2	Research: General	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance	FWE costs = 5k/year. Refuges cost = 3k/year. DOD costs = 4k/year. NPS costs = 2k/year. TPWD = 3k/year. BCCP costs = 5k/year. TPWD = additional 10k year 3.
Black-capped Vireo (Vireo atricapilla)	1	4.0	Winter range	Unknown			National Park Service, U.S. Fish and Wildlife Service, International Affairs, U.S. Fish and Wildlife enhancement, U.S. Fish and Wildlife Regional Office 9, USFWS Regional Office 2	Other: Administration	Internal Administrative	FWE IA costs = 100k/year. NPS costs = 5k/year.